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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/603,536	06/25/2003	Kalpesh Dhanvantrai Mehta	42P16391	4128

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EXAMINER

PEIKARI, BEHZAD

ART UNIT PAPER NUMBER

2189

DATE MAILED: 04/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



### **DETAILED ACTION**

- Note: The previous restriction requirement contained an error in the listing of claims that comprise Invention II. In addition, the newly amended page 2 of the specification makes clear certain critical features of invention, as characterized by applicant's disclosure, that are not required by claims 17-26. Consequently, a corrected restriction requirement is set forth below. Any inconvenience to applicant is sincerely regretted.

### ***Election/Restrictions***

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-13, drawn to an apparatus and method with a plurality of processing elements, with each processing element coupled to all other processing elements via any one of a plurality of selectable communication registers, classified in class 711, subclass 109.
  - II. Claims 14-16, drawn to a plurality of image signal processors, random access memory and a plurality of communication registers, classified in class 382, subclasses 307 and 305.
  - III. Claims 17-26, drawn to an apparatus and method with a plurality of processing elements coupled to a plurality of communication registers, classified in class 711, subclass 109.

2. The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as use without a particular random access memory. See MPEP § 806.05(d).

3. The inventions are distinct, each from the other because of the following reasons:

Inventions II and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention III has separate utility such as use without a particular random access memory. See MPEP § 806.05(d).

4. The inventions are distinct, each from the other because of the following reasons:

Inventions I and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention III has separate utility such as use without requiring that each processing element be coupled to all other processing elements via any one of a plurality of selectable communication registers. In other words, the communication registers of invention III may be used as a kind of shared memory, without coupling any two processor elements to each other. See MPEP § 806.05(d).

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5. Because these inventions are distinct for the reasons given above and because the search required for any one group is not the same search required for any of the other groups, restriction for examination purposes as indicated is proper.

6. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James Peikari whose telephone number is (571) 272-4185. The examiner is generally available between 7:00 am and 7:30 pm, EST, Monday through Wednesday, and between 5:30 am and 4:00 pm on Thursday.

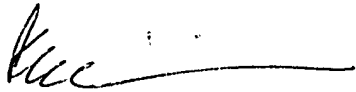
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Reginald Bragdon, can be reached at (571) 272-4204. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'B. James Peikari', with a long horizontal stroke extending to the right.

B. James Peikari  
Primary Examiner  
Art Unit 2189  
4/10/06